

Description

The Renogy Nexus 60A Power Management System is All-in-One Energy Monitoring & Management solution, A streamlined power hub for modern caravans and motorhomes, enables faster hybrid charging, seamless integration, and remote monitoring and control for reliable off-grid living.

Key Features

■ 4 Hybrid Charging Modes

Combine various power sources for maximum charging efficiency: AC+DC-DC, AC+Solar, Solar+DC-DC, and AC+Solar+DC-DC.

■ 30A MPPT Solar Charge Controller

Supports a maximum 60VDC solar input and 800W solar arrays for flexible configuration and easy future expansion.

■ 30A DC-DC Charger

Compatible with smart and traditional alternators to fully charge house batteries while driving. This smart charger also provides a float charge to maintain starter batteries

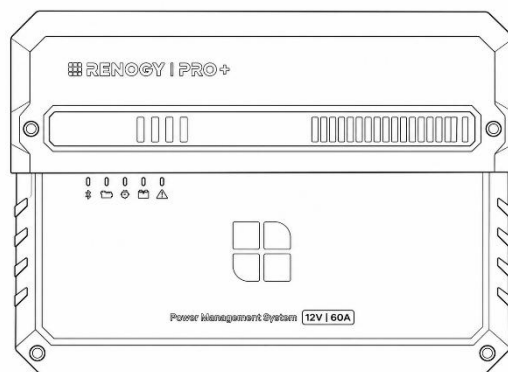
■ 35A AC-DC Charger

■ 15A*14 Distribution Blocks

Accepts any voltage from 100-240VAC globally and provides 14 fused output circuits. Precisely manage DC-powered appliances with 7 switchable circuits, including 3 dedicated for smoothly dimmable LED lighting.



Product Dimensions



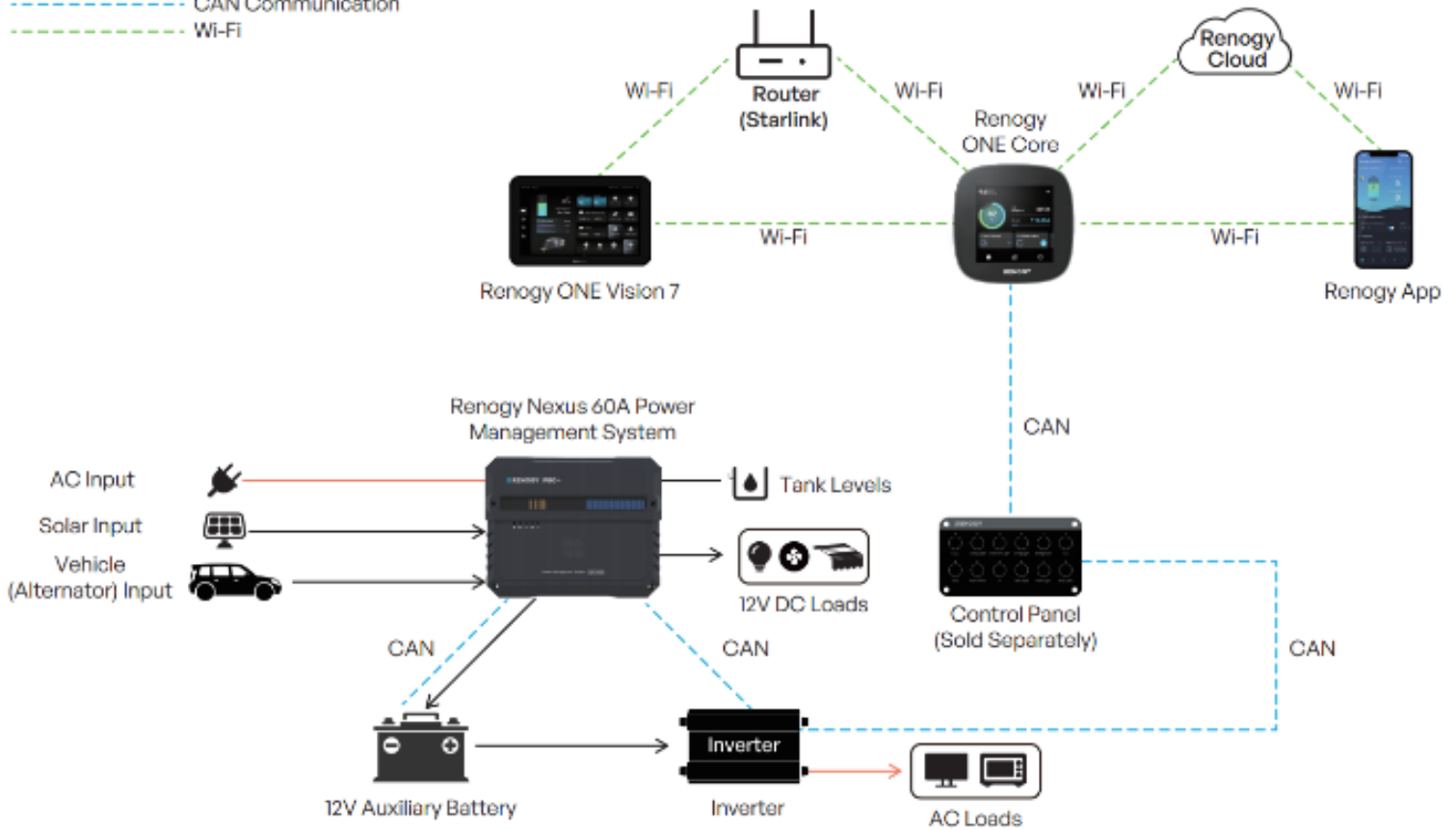
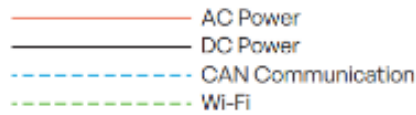
355 x 285 x 90mm

Technical Specifications

Model	RPM1260DD
AC Charging (AC-DC)	
AC Input	100-240VAC ($\pm 10\%$), 50/60Hz
DC Output Voltage	9-16VDC
Battery Types	SLD, AGM, GEL, FLD, LI, and USER
Charging Current	35A
Max power	500W
Battery Type	AGM, GEL, FLD, LI (Default), and Custom
On-Board Charging (DC-DC)	
System Voltage	12-12V
Charging Current	30A
Max Power	450W
Starter Battery Charge	Yes(5A)
IGN Support	Yes
MPPT Solar Charging	
Charging Current	30A
Max. PV Input Voltage	60V
Max. PV Input Power	800W
Tracking efficiency	99%
Conversion efficiency	>94%
Distribution Blocks	
Fused Output Quantity	14 (Including 7 Switchable Circuits)
Rated Current	15A (x14)
Output Terminal	WAGO
Fuses	14
Hybrid Charging Modes	
Max. Charging Current	60A
Charging Priority	AC+Solar: AC AC+DC-DC: AC Solar+DC-DC: Solar AC+Solar+DC-DC: AC+Solar
Battery Protection	
Low Voltage Disconnect (LVD)	Yes
Battery Switch	Local and Remote
Monitor and Control	
LED Indicators	Yes
Master Load Switch	Yes
Relay Load Switch	7
Built-In Shunt	Yes
Communication	RS485, CAN, and Bluetooth
Temperature sensor	3
Water Tank	4

General Specification

Standby current	Only Battery and Load switch ON: 700mA Only Battery and Load switch OFF: 300mA Only Battery, Voltage < LVD: 180mA Power Switch OFF: < 1mA
Operating temperature range	-20°C-60°C
Storage temperature range	-35°C - 80°C
Temperature compensation	-3mV/°C/2V
Ingress protection rating	IP20
Humidity	0% - 95%, no condensation
Dimensions	350 x 250 x 90 mm
Weight	3.5kg



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